

**Amendments to the Specification**

Please add the following section to new page 16 the section entitled "Abstract:"

**ABSTRACT**

A tunable oscillator comprises a control supply configured to output a control output operable to tune the tunable oscillator. The tunable oscillator further comprises an oscillator circuit configured to output a signal such that a frequency of the signal increases with increasing control output. A control circuit is configured to control the frequency of the oscillator circuit signal in response to a comparison of the oscillator circuit signal with a reference signal. A propagation delay compensation circuit is configured to vary an amplitude of the reference signal at substantially the same frequency as the oscillator circuit signal to compensate for propagation delay of signals from the control circuit to the oscillator circuit.